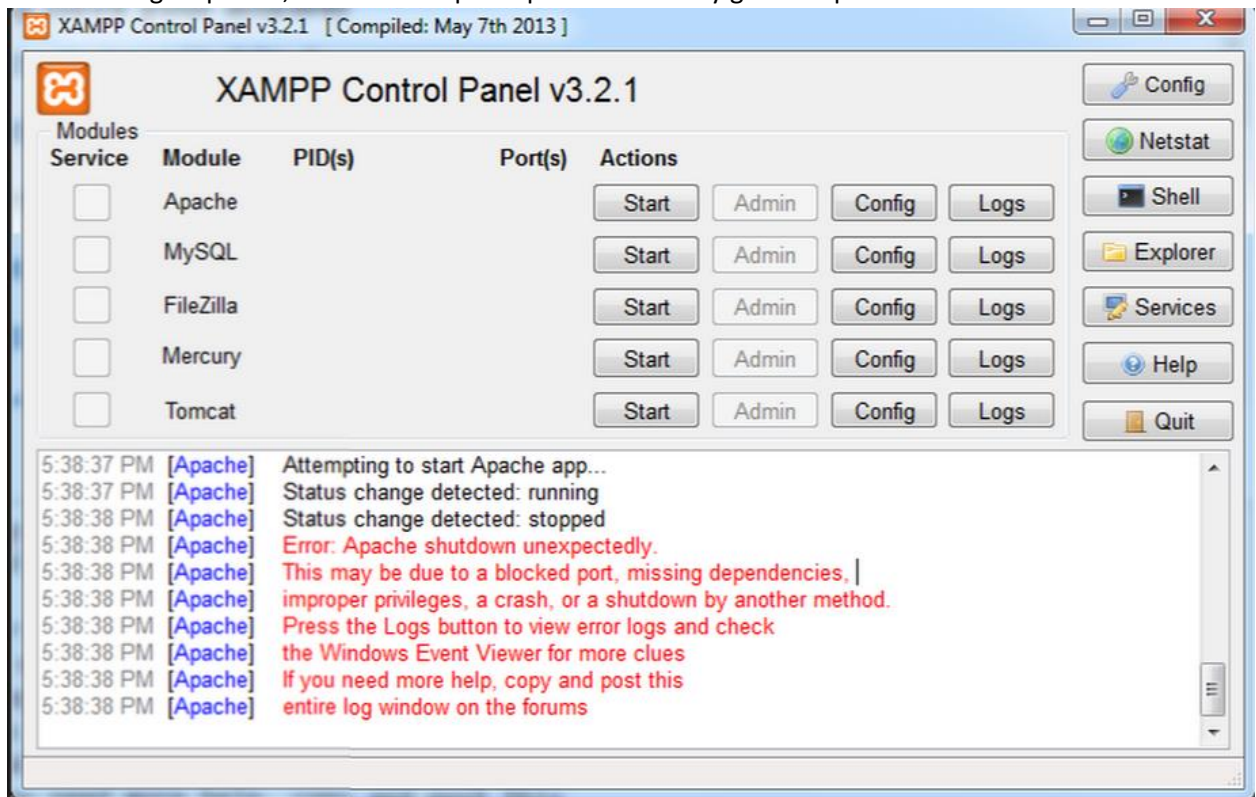


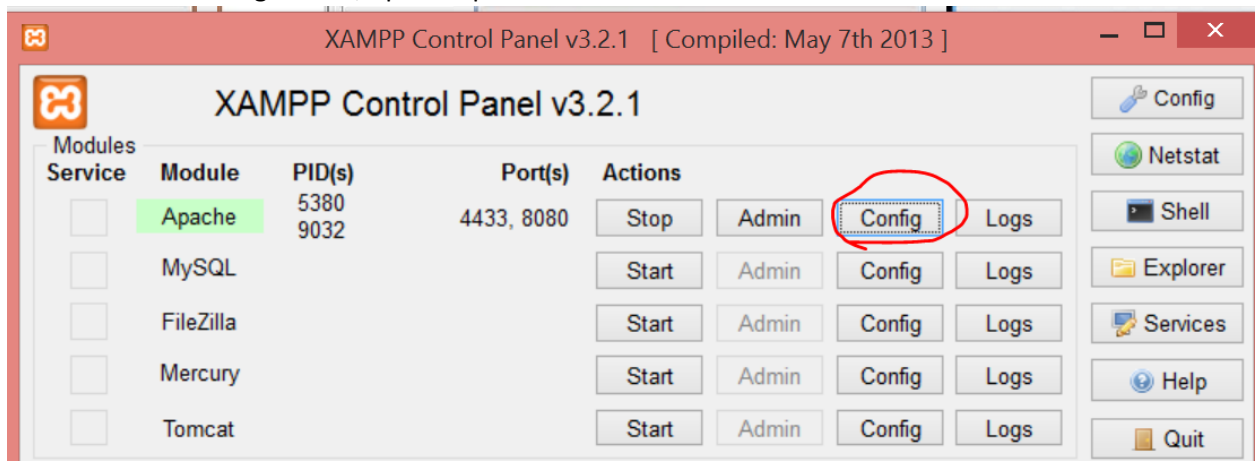
Steps to Use Your Own Machine to Host Web(YELP example)

10/17/2015, Dingchao Zhang

1. If your machine does not have xampp installed, please download and install xampp package for your operating system at here : <https://www.apachefriends.org/index.html>
Here is an Youtube walking through xampp installation for windows 8 and windows 8.1:
<https://www.youtube.com/watch?v=U5ghHLRv6uc>
2. Start apache server, if you see the following error about server shuts down unexpectedly, do the following steps in 2, otherwise skip this part and directly go to step 3.



2.1 Please click Config button, open httpd.conf file



2.2 Modify all the places where it writes the port ID 80 to 8080 in httpd.conf

2.2.1 Specifically modify the Listen to specific IP addresses to 8080:

```
#  
# Change this to Listen on specific IP addresses as shown below to  
# prevent Apache from glomming onto all bound IP addresses.  
#  
#Listen 12.34.56.78:80  
Listen 8080
```

2.2.2 And specifically modify the ServerName Localhost to 8080

```
# If your host doesn't have a registered DNS name, enter its IP address here.  
#  
ServerName localhost:8080
```

2.2.3 Save the changes to httpd.conf

2.3 Please click Config button, open httpd-ssl.conf file

2.3.1 Modify all the places where it writes the port ID 443 to 4433 in httpd-ssl.conf

2.3.2 Specifically ensure to modify the Listen to specific HTTPs port to 4433:

```
#  
# When we also provide SSL we have to listen to the  
# standard HTTP port (see above) and to the HTTPS port  
# 443,4433,7331  
Listen 4433  
|  
###
```

2.3.3 Specifically ensure to modify the virtual host and servername port to 4433:

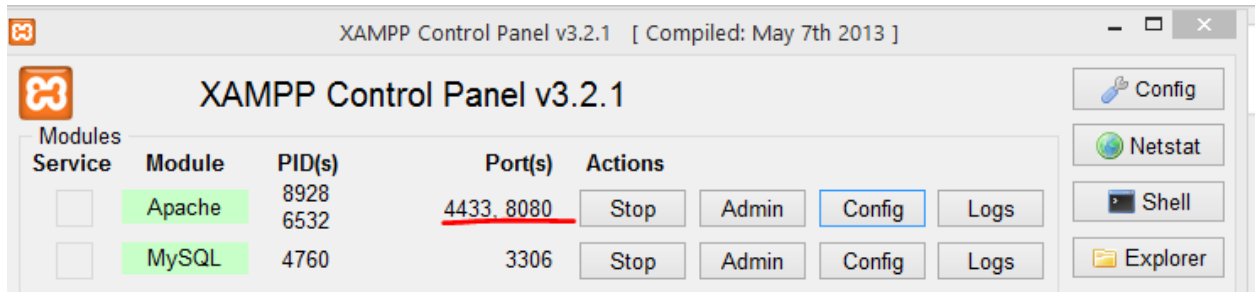
```
##  
## SSL Virtual Host Context  
##
```

```
<VirtualHost _default_:4433>
```

```
# General setup for the virtual host  
DocumentRoot "C:/Users/ks692/Documents/Software/xampp/htdocs"  
ServerName www.example.com:4433
```

2.4 Save the changes to httpd-ssl.conf

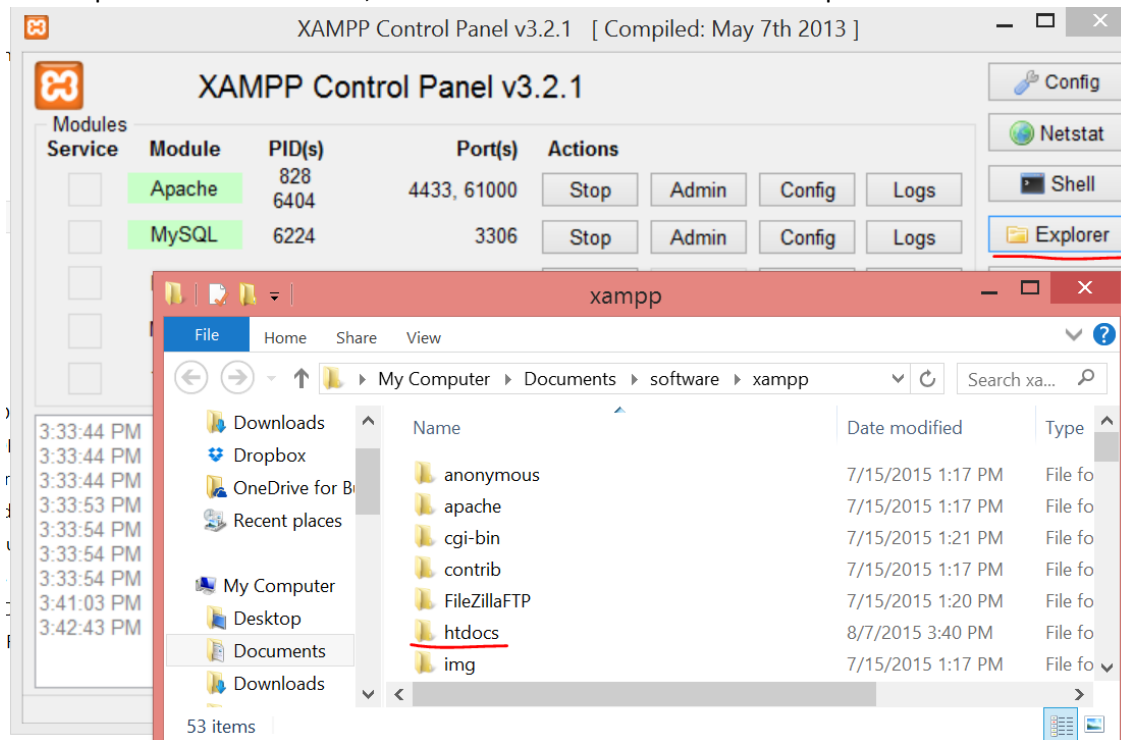
2.5 After all the above changes are saved, restart xampp, and start Apache server, and you shall see it is running at ports 4433 and 8080



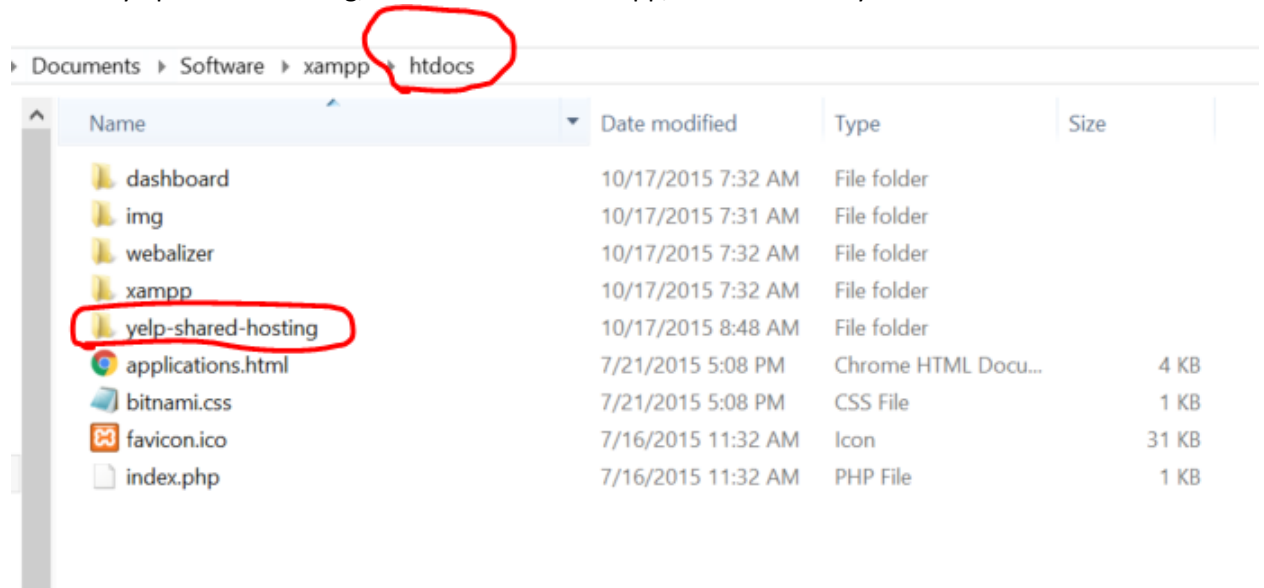
- Please click Config button, open httpd-xampp.conf : comment out Require local , and add "Order deny, allow", and "Allow from all" or Allow from (certain IP addresses) before ErrorDocument 403 in the bottom of the file, which should be looking like the following:

```
#
# New XAMPP security concept
#
<LocationMatch "^/(?:xampp|security|licenses|phpmyadmin|
webalizer|server-status|server-info)">
    Order deny,allow
    #Require local
    Allow from all
    ErrorDocument 403 /error/XAMPP_FORBIDDEN.html.var
</LocationMatch>
```

- 4 Click Explorer in XAMPP menu, create a short cut of htdocs to desktop



- 5 Download the whole folder from <https://github.com/dingchaoz/AuthenticFoodSpotter>, name that folder as yelp-shared-hosting, and save it in the xampp/htdocs directory



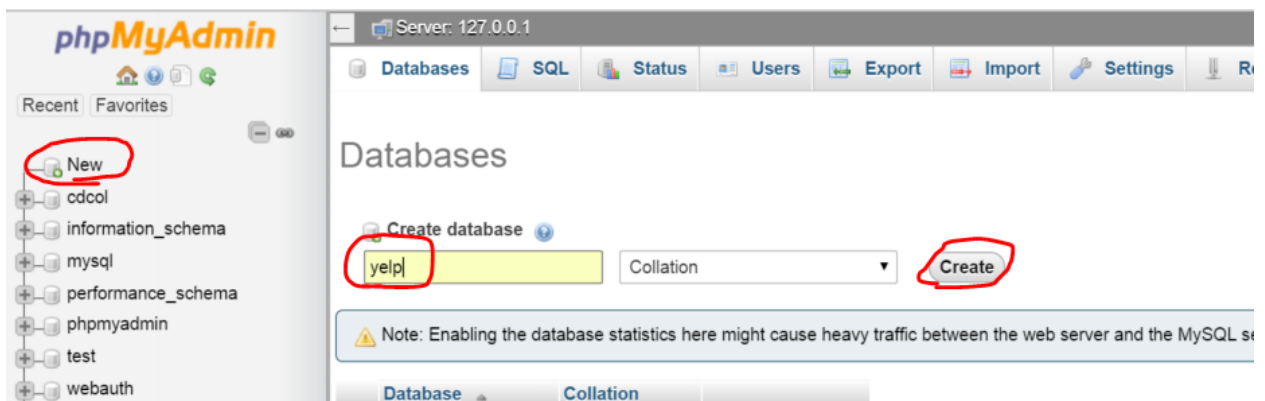
- 6 Please click Config button, open httpd.conf file, change the DocumentRoot and Directory to the yelp-shared-hosting path

```
#
# DocumentRoot: The directory out of which you will serve your
# documents. By default, all requests are taken from this directory, but
# symbolic links and aliases may be used to point to other locations.
#
DocumentRoot "C:/Users/ks692/Documents/Software/xampp/htdocs/yelp-shared-hosting"
<Directory "C:/Users/ks692/Documents/Software/xampp/htdocs/yelp-shared-hosting">
#
```

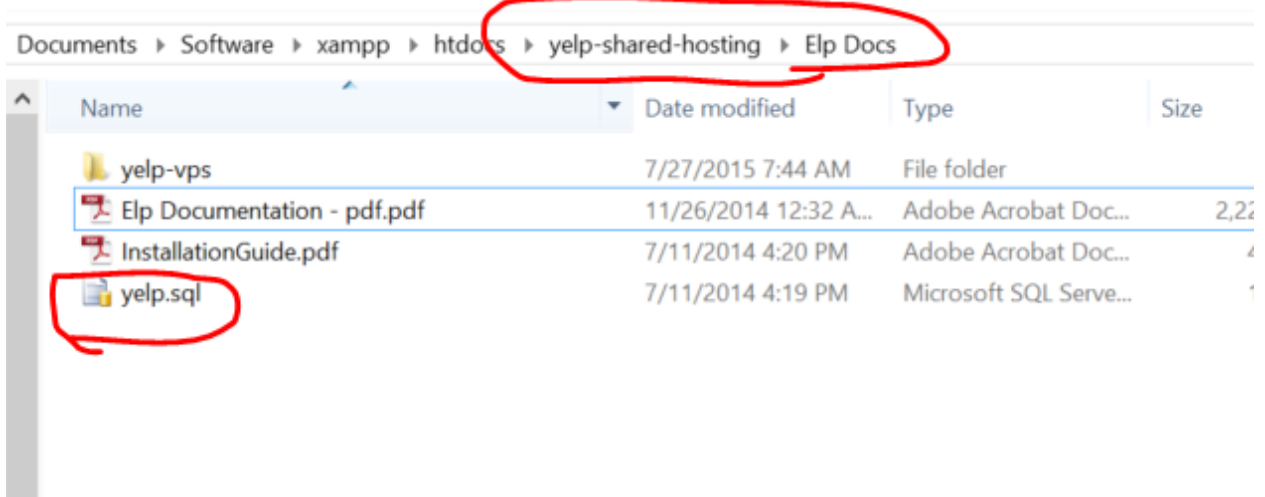
- 7 Please click Config button, open httpd-ssl.conf file, change the DocumentRoot to the yelp-shared-hosting path

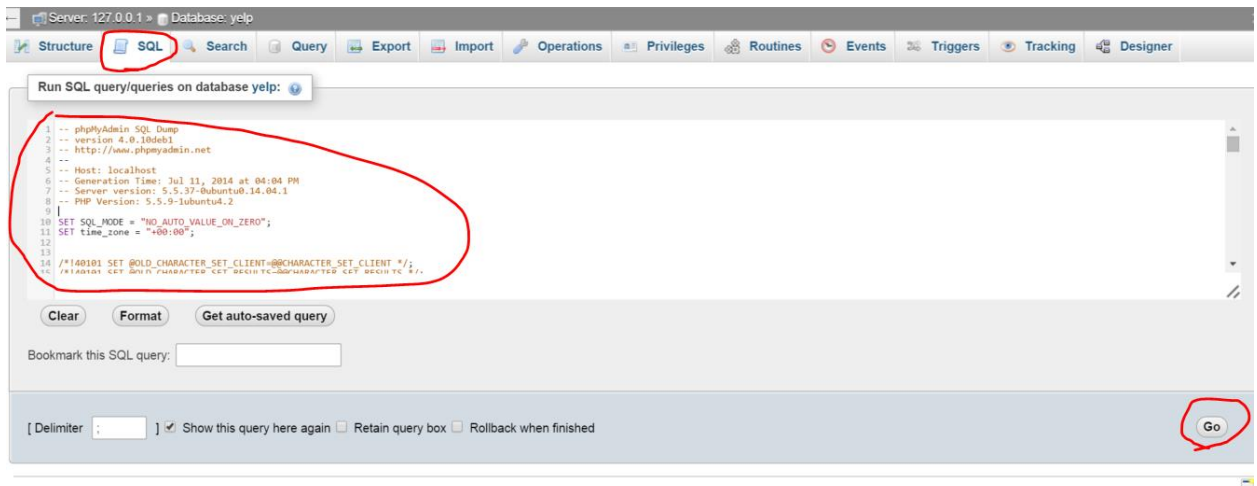
```
<VirtualHost _default_:443>
# General setup for the virtual host
DocumentRoot "C:/Users/ks692/Documents/Software/xampp/htdocs/yelp-shared-hosting"
ServerName www.example.com:443
ServerAdmin admin@example.com
ErrorLog "C:/Users/ks692/Documents/Software/xampp/apache/logs/error.log"
TransferLog "C:/Users/ks692/Documents/Software/xampp/apache/logs/access.log"
```

- 8 Open localhost:8080/phpmyadmin in browser, create a new database called "yelp" by clicking New in the left database menu.

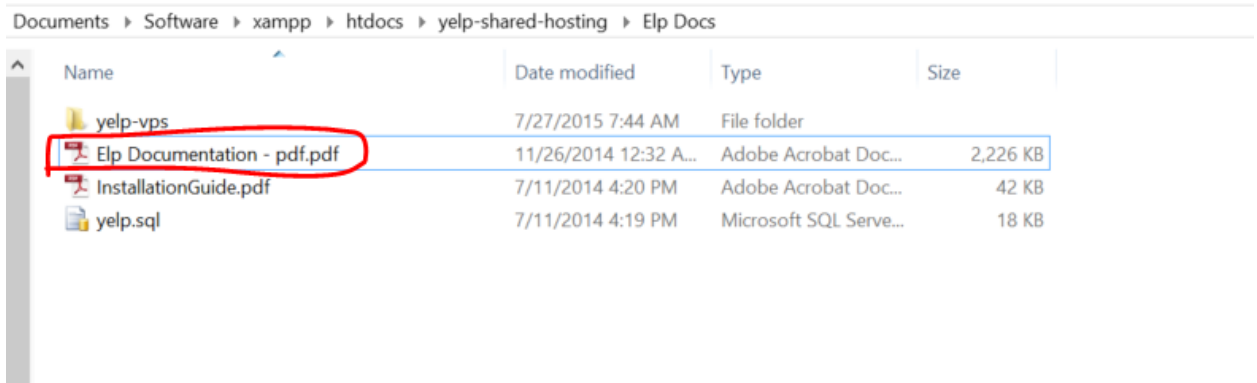


- 9 Click to open newly created yelp database in the left, click SQL tab and copy the content of yelp.sql resided in Elp Doc folder within yelp-shared-hosting folder in to the SQL run window.

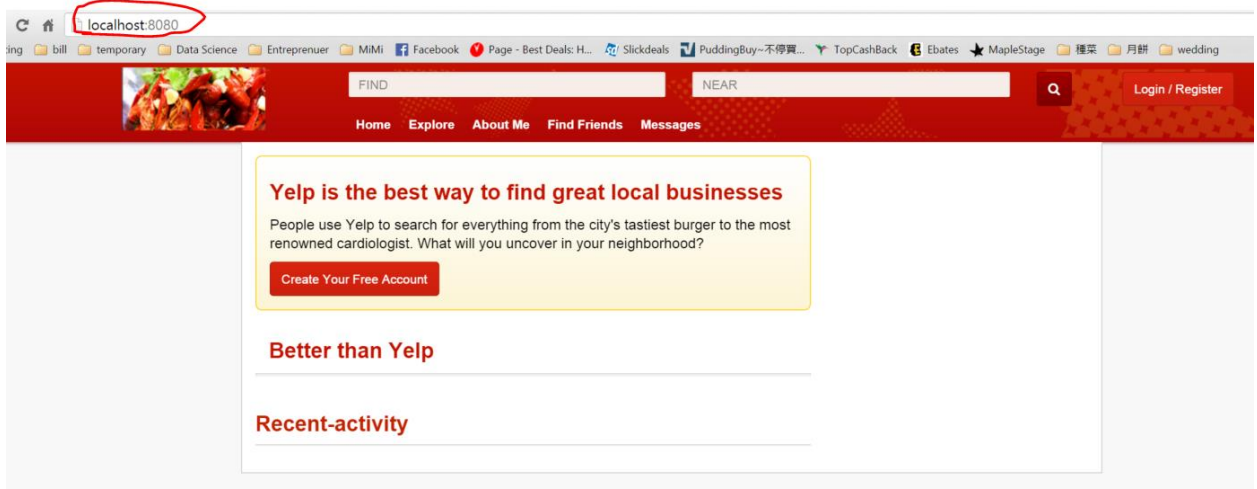




- 10 Follow the Elp Documentation – pdf to edit related php files in app/config folder

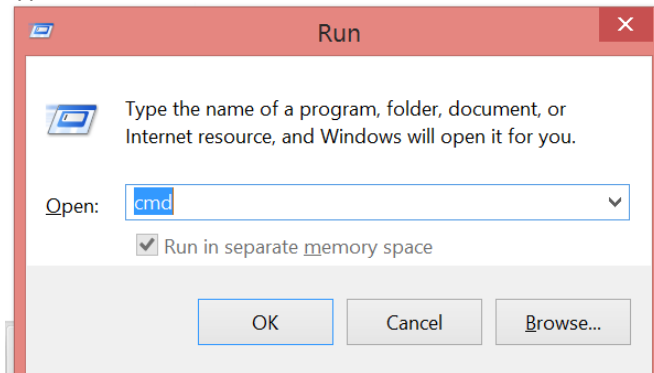


- 11 Now go to localhost:8080 in web browser, you shall see a Yelp cloned web:



- 12 Open the Command Prompt window by clicking Windows key  + R at the same time,

type **cmd** in Run window:



Type ipconfig in windows command line window and look for Ipv4 Address under Wireless LAN if you are using wifi

```
C:\Users\ks692>ipconfig

Windows IP Configuration

Ethernet adapter Bluetooth Network Connection:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 2:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

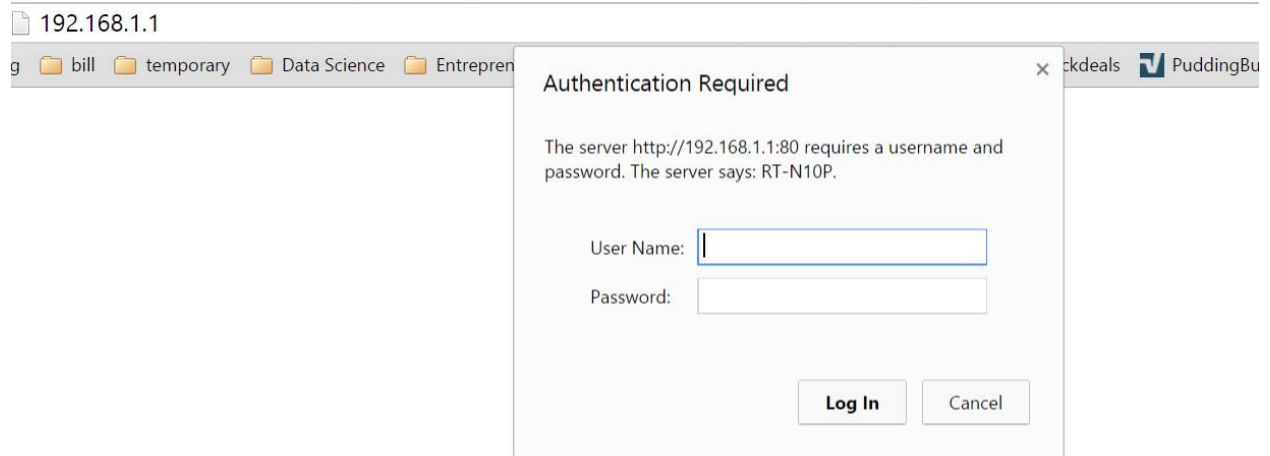
Wireless LAN adapter Wi-Fi:

    Connection-specific DNS Suffix  . : ced.corp.cummins.com
    IPv4 Address. . . . . : 10.129.108.1
    Subnet Mask . . . . . : 255.255.248.0
```

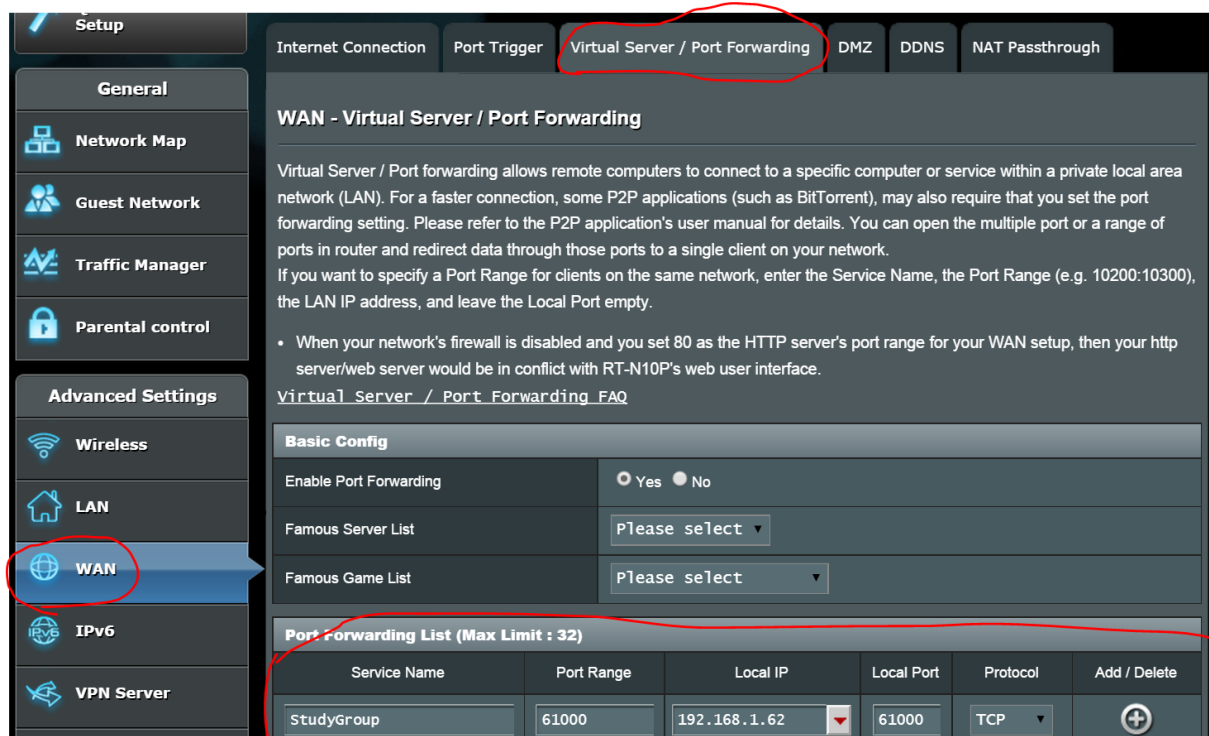
Note that if you switch from wifi to wired connection, or move your machine from one location to another(building to building, office to home, etc) , your Ipv4 address might get changed.

- 13 You can share <http://yourIPv4address:61000> address with people who are in the same Local Area Network, and they should see the same page as you see.
You may click the stop button to shut down the hosting.
- 14 To Enable sharing the web to people outside your Local Area Network, we need to configure the router in your house. You can google " Port Forward" after your router brand name to find details. The following example is a configuration to ASUS router.
Find the information about router's admin IP address, username and password on the back of your router. For ASUS and most other routers, the default admin IP address is 192.168.1.1 if your Ipv4 address starts with 192.168; if you Ipv4 address starts with 172.16.x.x or 10.0.x.x, try to also use 1.1 to replace the x.x, and type it in your browser.

Here I type 192.168.1.1 in my browser and it asks me to put admin username and password which are "admin" for both cases.



12. In the example of ASUS router, go to WAN, then go to Virtual Server/Port Forwarding. In the bottom Port Forwarding List, fill the following information, then click Add symbol



It might several minutes to finish the setting, and internet might be off during the process.

13. Once the port forwarding is set up, we need to find our Public IP address by search what is my IP in google

what is my IP

Web Apps Shopping News Videos More Search tools

About 283,000,000 results (0.22 seconds)

68.51.30.186
Your public IP address

[Learn more about IP addresses](#)

14. Last step ! Type your IP address ending with :8080 in browser, and you should be able to see the web. Share that IP with port address with your friends, and they should be able to see the exact page! Finished.